

**I CLAIM:**

1. A method of synchronizing multi-site print ready document libraries, comprising:

publishing document library subject availability via multicast communication over a data network;

receiving subscriptions for document library subjects over the data network from remote subscribers at individual sites; and

instantaneously, at time of repository change, synchronizing data representative of the document with remote subscribers at individual sites over the data network.

2. The method of claim 1 wherein jobs are assigned to subjects.

3. The method of claim 2 wherein said jobs include documents.

4. The method of claim 3 wherein said jobs are documents.

5. The method of claim 1, wherein remote subscribers at individual sites interested in a subject can subscribe to the subject and receive document updates automatically, wherein only necessary data related to the subject is synchronized with the remote subscribers at specific sites.

6. A method of synchronizing multi-site print ready document libraries, comprising:

publishing document library subject availability via multicast communication over a data network; and

receiving subscriptions for document library subjects over the data network from remote subscribers at individual sites.

7. The method of claim 6 further comprising instantaneously synchronizing data representative of the document with remote subscribers at individual sites over the data network.
8. The method of claim 7 wherein jobs are assigned to subjects.
9. The method of claim 8 wherein said jobs include documents.
10. The method of claim 8 wherein said jobs are documents.
11. The method of claim 7, wherein remote subscribers at individual sites interested in a subject can subscribe to the subject and receive document updates automatically, wherein only necessary data related to the subject is synchronized with the remote subscribers at specific sites.
12. A system for multi-site print ready document library synchronization via multicast, comprising:
  - at least one server having access to a data network;
  - at least one database containing documents associated with a print ready document library and the print ready document library; and
  - software contained in at least one of server, said software for: managing the publication of print ready document library information to multiple subscribers over the data network, accepting document library subscription from the multiple subscribers, and synchronization of print ready document library and documents associated with the library with the multiple subscribers from the database through the server and the network to multiple subscriber equipment.
13. The system of claim 12, further comprising communication equipment associated with the server for enabling multicast communication with the multiple subscribers over the data network.